## **EAST Search History**

| Ref<br># | Hits    | Search Query  | DBs                  | Default<br>Operator | Plurals | Time Stamp       |
|----------|---------|---|----------------------|---------------------|---------|------------------|
| L1       | 509503  | (fpc or flexcircuit\$3 or flex adj<br>circuit\$3 or flexcable\$1 or (flex\$4 adj3<br>(printed or conduct\$4 or cable\$1 or<br>wire\$1 or lead\$1 or wiring\$1)) or<br>((trace\$1 or wireless or laminat\$3 or<br>integrated) adj2 (flexure\$1 or<br>suspension\$1 or load adj beam\$1 or<br>gimbal\$1 or jimbal\$1 or HSA or HGA))<br>or jumper\$1 or bridge\$1 or<br>interconnect\$4) or h05k001/\$.ipc. | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 14:25 |
| L2       | 1419409 | crosstalk\$3 or cross adj2 talk\$3 or<br>parasitic\$ or capacit\$5 or<br>impedance\$1 or interference\$1 or<br>noise\$1 or EME or electromagnetic adj<br>emission\$1  | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 14:23 |
| L3       | 51318   | 1 and 2   | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 13:17 |
| L4       | 622740  | g11b\$.ipc.   | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 13:17 |
| L5       | 705     | 3 and 4   | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 13:19 |
| L6       | 321717  | (supporter or load adj beam or spring adj arm or HGA or HSA or FSA or HAA or suspension or load\$3 adj arm or jimbal or gimbal or flexure or g11b005/48.ipc. or g11b005/54.ipc. or g11b005/54.ipc. or g11b005/58.ipc. or g11b005/58.ipc. or g11b005/60.ipc. or g11b021/16.ipc. or g11b021/20.ipc. or g11b021/21.ipc. )  | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 13:19 |
| L7       | 66833   | trace\$1  | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 13:19 |
| L8       | 387562  | 6 or 7  | EPO; JPO;<br>DERWENT | OR .                | OFF     | 2006/07/07 13:19 |
| L9       | 183     | 5 and 8   | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 14:00 |
| L10      | 63564   | (cross\$3 or crisscross\$3 or twist\$5)<br>near4 (trace\$1 or wire\$1 or line\$ or<br>conductor\$1 or wire\$1)  | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 14:24 |
| L11      | 6377    | 2 and 10  | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 14:01 |
| L12      | 118     | 4 and 11  | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 14:02 |
| L13      | 105     | 12 not 9  | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/07/07 14:02 |

## **EAST Search History**

| L14 | 539    | (cross\$3 or crisscross\$3 or twist\$5)<br>near4 (trace\$1 or wire\$1 or line\$ or<br>conductor\$1 or wire\$1)  | FPRS;<br>IBM_TDB   | OR | OFF | 2006/07/07 14:18 |
|-----|--------|---|--------------------|----|-----|------------------|
| L15 | 12711  | crosstalk\$3 or cross adj2 talk\$3 or parasitic\$ or capacit\$5 or impedance\$1 or interference\$1 or noise\$1 or EME or electromagnetic adj emission\$1  | FPRS;<br>IBM_TDB   | OR | OFF | 2006/07/07 14:18 |
| L16 | 153    | 14 and 15   | FPRS;<br>IBM_TDB   | OR | OFF | 2006/07/07 14:19 |
| L17 | 227790 | (crosstalk\$3 or cross adj2 talk\$3 or parasitic\$ or capacit\$5 or impedance\$1 or interference\$1 or noise\$1 or EME or electromagnetic adj emission\$1 ot crossfeed\$3 or cross adj feed\$3).ti,ab.  | US-PGPUB;<br>USPAT | OR | ON  | 2006/07/07 14:24 |
| L18 | 264185 | (cross\$3 or crisscross\$3 or twist\$5)<br>near4 (trace\$1 or wire\$1 or line\$1 or<br>conductor\$1 or wire\$1)   | US-PGPUB;<br>USPAT | OR | ON  | 2006/07/07 14:26 |
| L19 | 16533  | 17 and 18   | US-PGPUB;<br>USPAT | OR | ON  | 2006/07/07 14:25 |
| L20 | 340713 | ((fpc or flexcircuit\$3 or flex adj<br>circuit\$3 or flexcable\$1 or (flex\$4 adj3<br>(printed or conduct\$4 or cable\$1 or<br>wire\$1 or lead\$1 or wiring\$1)) or<br>((trace\$1 or wireless or laminat\$3 or<br>integrated) adj2 (flexure\$1 or<br>suspension\$1 or load adj beam\$1 or<br>gimbal\$1 or jimbal\$1 or HSA or HGA))<br>or jumper\$1 or bridge\$1 or<br>interconnect\$4)).ti,ab,clm. | US-PGPUB;<br>USPAT | OR | ON  | 2006/07/07 14:26 |
| L21 | 2563   | 19 and 20   | US-PGPUB;<br>USPAT | OR | ON  | 2006/07/07 14:26 |
| L22 | 30697  | ((cross\$3 or crisscross\$3 or twist\$5)<br>near4 (trace\$1 or wire\$1 or line\$1 or<br>conductor\$1 or wire\$1)).ti,ab,clm.  | US-PGPUB;<br>USPAT | OR | ON  | 2006/07/07 14:27 |
| L23 | 495    | 21 and 22   | US-PGPUB;<br>USPAT | OR | ON  | 2006/07/07 14:27 |
| L24 | 467    | @ad<="20040217" and 23  | US-PGPUB;<br>USPAT | OR | ON  | 2006/07/07 14:27 |
| L25 | 5      | ("5871655").URPN.   | USPAT              | OR | OFF | 2006/07/07 14:40 |

## **EAST Search History**

| L26 | 26 | ("3757028"   "3761842"   "3764727"  <br>"4195323"   "4321641"   "4639289"  <br>"4698708"   "4809103"   "4856181"  <br>"4949207"   "4992897"   "5039824"  <br>"5041932"   "5059278"   "5095613" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/07 14:41 |
|-----|----|--|------------------------------|----|-----|------------------|
|     |    | "5111351"   "5163218"   "5166845"  <br>"5228184"   "5357050"   "5389735"  <br>"5397862"   "5408373"   "5430247"  <br>"5483025"   "5745979").PN.  |                              |    | į   |                  |